

In re: Lambert et al.
International Appn. No.: PCT/GB2004/000117
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In the Abstract:

On new page 17 following the claims, please insert the following paragraph:

Abstract

Apparatus and methods for controlling weld conditions during welding include identifying a transition between a first mode of operation during which no spatter is produced and a second mode of operation during which some amount of spatter is produced. A power supply voltage is adjusted such that welding occurs under conditions associated with the transition. Identifying the transition includes identifying near zero voltage fluctuations in the power supply voltage.